

Internet : A mystical Guide For Students

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Search Engines

An Overview

Where should I start in the story of Internet because this sector is wide area sector.... Never mind, I will start with my story [writer's life], I remember that day when I connected to the internet, it was November 2017, In search engines only Google search engine was known or in social media Facebook or both of them were accessed by me on to the internet explorer browser and today when , I am writing this book now i know about many types of browsers , social media sites and search engines. In this story I tell you what students can get on the internet and how can students access such notes, books, solutions?

so first we start with search engines , just remember how many types you know of search engines ...

okay leave it i will tell you about search engines which are the best search engines and most usable for the students :

1. Google

2. Microsoft Bing

3. Chat GPT

4. White Rabbit Neo

5. Kaggle : special for machine learning

.....&& more types . it matters only 20 % in modern word where AI tools are available for the search now matters how you search on the search bar here we suggest you two type of query searching:

1 Simple Query Searching

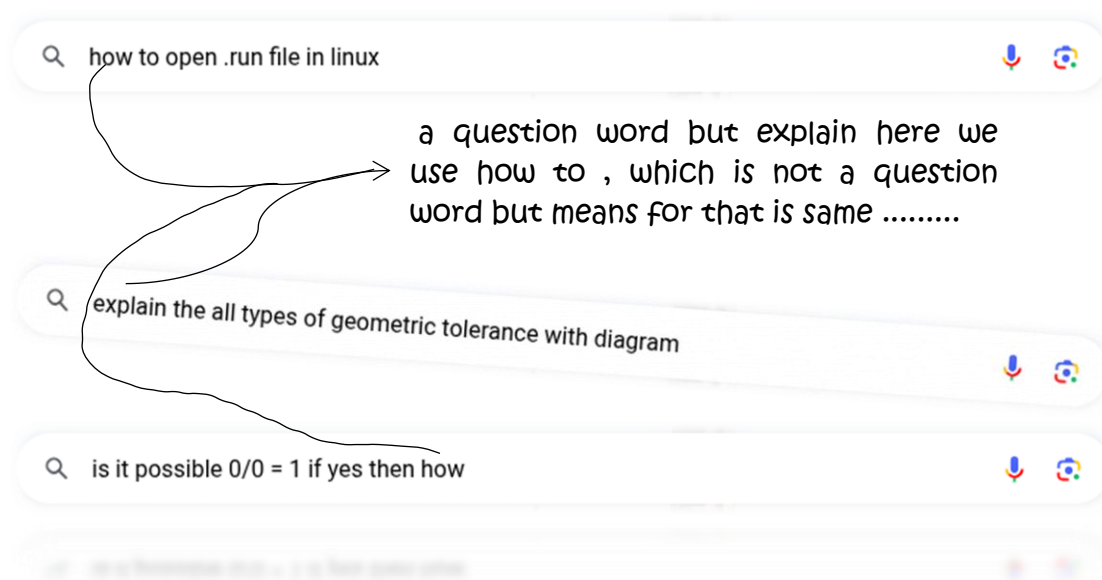
2 Hacker Type Searching [Only For Education purpose].

Simple Query Searching

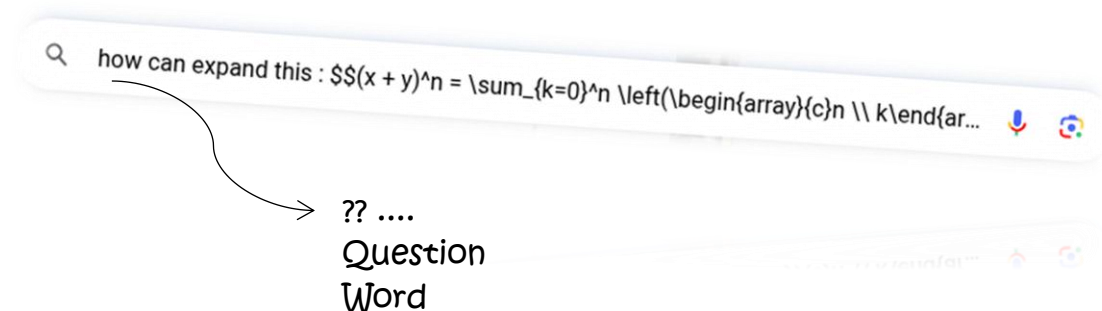
In this search you convert your query or embed question word with your query with an example you want to search about to a book which writer is John Drapper & title of book is

‘Real Exploits & Work with Them’ then you search this : ‘Real Exploits & Work with Them’

written by John Drapper . you can search as me look in the following pictures:



Now you must be thinking that I can do this by speaking but how will you say the expression given below, that is why I used this method.



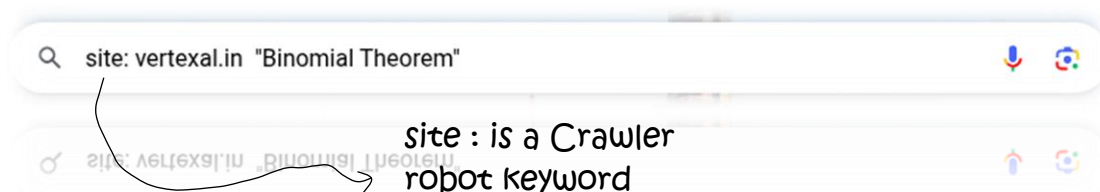
Hacker Type Searching :

If you are searching for something on the internet about which you have found a lot of wrong or useless content on the internet then you can use this method, this method is

special because in this only you will get the results which you want.

**** NOTE **** *Don' t use it for bad works like hacking etc its for only education purpose.*

if you know about site which can give your queries answer then search then Type :

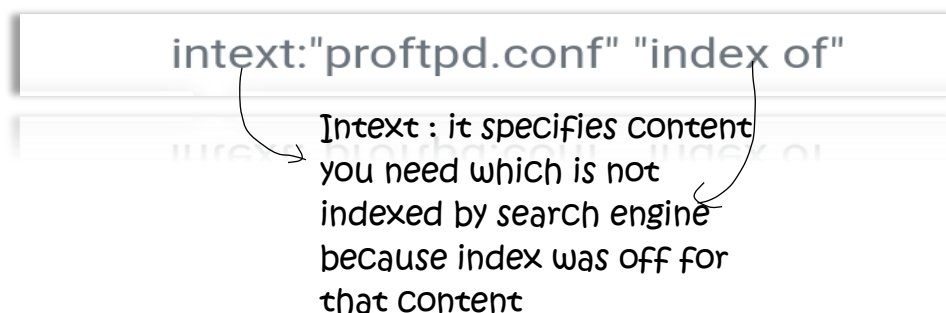


or if you want answer from specific URL then :



intitle and inurl are used to get specified page let i want to go on vertexal up-board site then we type
Inurl: upboard.vertexal.in intitle: UP Board

if you want a custom content about to your question then :



There are many more methods which I cannot explain publicly because they can breach our privacy.

In the next chapter we will discuss about to International Books Access on internet.

International Book Access

Normally when we go to download PDF book on internet then we have to subscribe to many services to download PDF or visit many websites or sometimes it happens that we download PDF book. But good content is not found in PDF ...then you think that good content is not found on internet but it is your mistake, PDF is from your true verified site. I have not downloaded it....

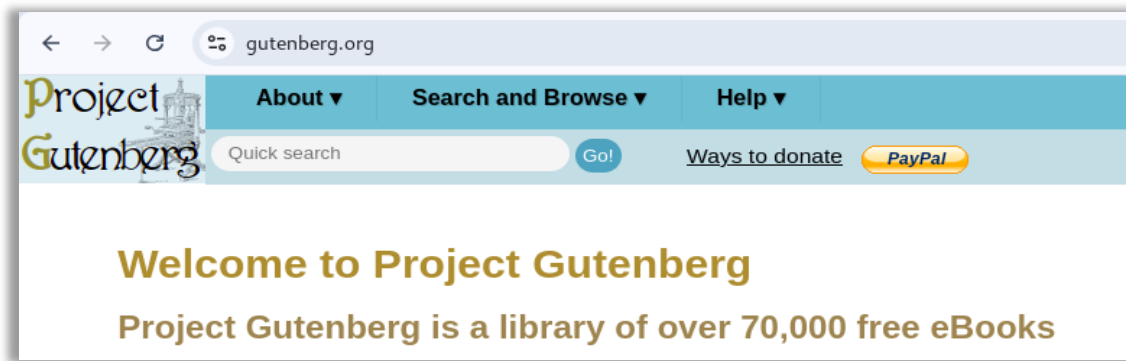
Let me tell you how to download the best international books -

From Verified Portals:

ONLINE LIBRARY:

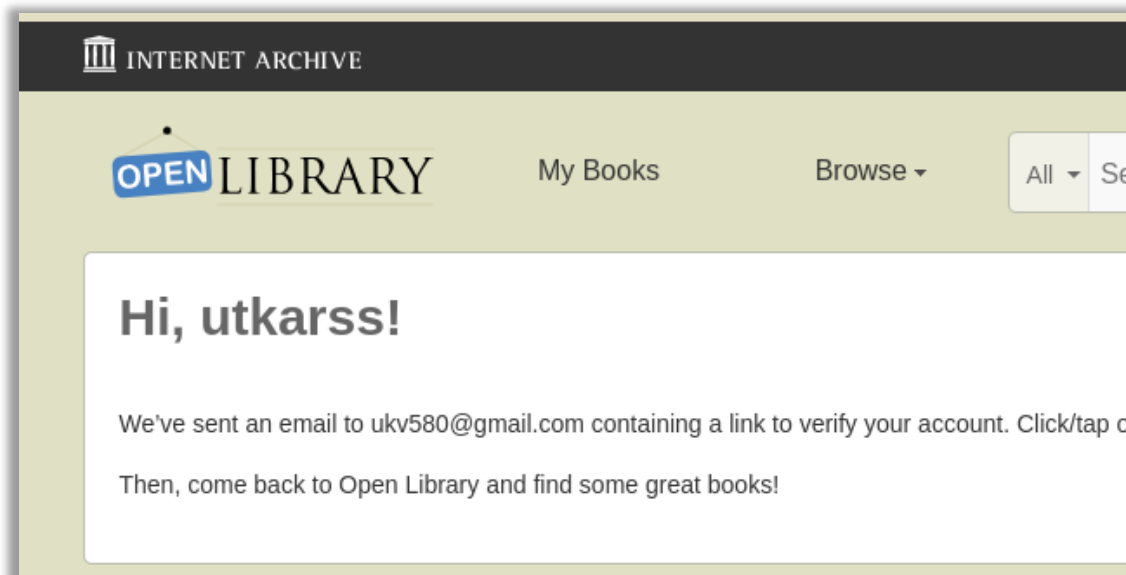
Project Gutenberg:

One of the oldest and largest libraries of free e-Books. It focuses on public domain works, offering over 60,000 books that can be freely downloaded and shared.



Internet Archive: This is a massive digital archive that includes millions of free books, audio, and video files. It's a verified and trusted source for sharing and accessing books across different genres and formats.

Open Library: A part of the Internet Archive, Open Library offers access to millions of books in digital form. It provides borrowing services where users can check out books in e-Book format.



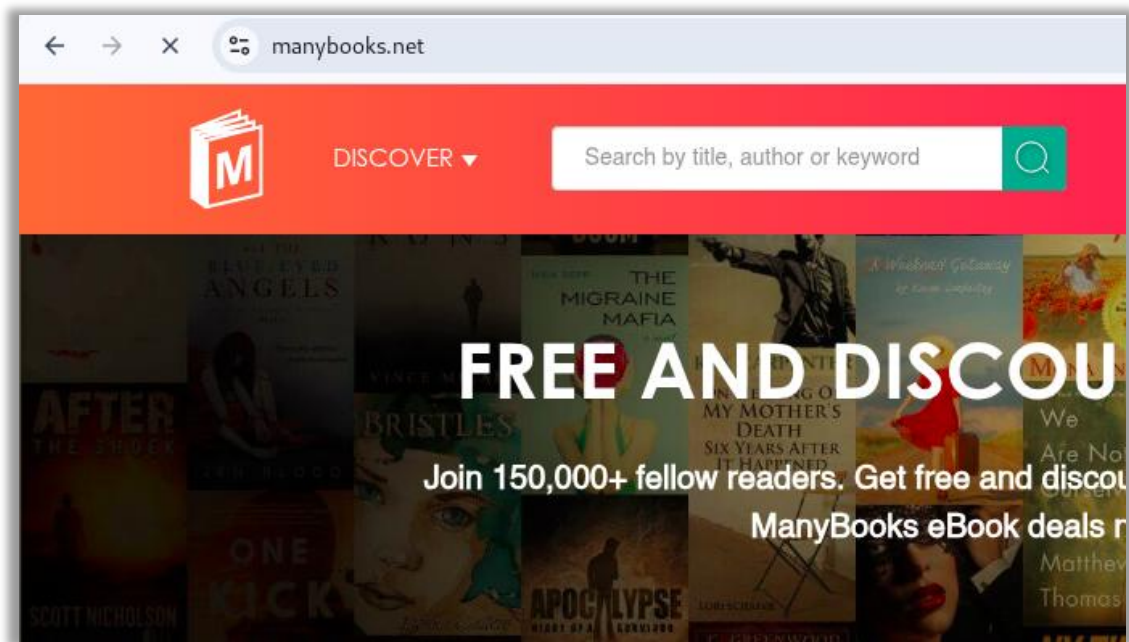
Library Genesis (LibGen): Although this platform is controversial, it has been widely used for accessing academic books, journals, and articles. However, it's important to note that it's not officially authorized in all countries, so caution is advised when using it.



The screenshot shows the Library Genesis website interface. At the top, the title "Library Genesis" is displayed in a large, bold, red font. Below the title, there is a message: "Current alias domains are [libgen.rs](#), [libgen.is](#), [libgen.st](#). Update your bookmarks!". This is followed by two links: "Get involved to help the project!" and "A guide to effective catalog searching". Below these links is another message: "Try [Libgen Desktop](#) application! Now with IPFS downloads!". A search bar is present with a "Search!" button to its right. Below the search bar, the text "Search in :" is followed by four radio button options: "Non-fiction / Sci-tech" (selected), "Fiction", "Scientific articles", and "Magazines". Underneath, the text "LibGen Search options:" is followed by a "Download type:" dropdown menu set to "Resumed dl with original filename" and a "View results:" section with "Simple" (selected) and "Detailed" options. At the bottom, there is a "Results per page:" dropdown menu set to "25".

Google Books: Google Books provides access to a vast collection of books and magazines. Some books are available for free, while others can be previewed, and some can be purchased.

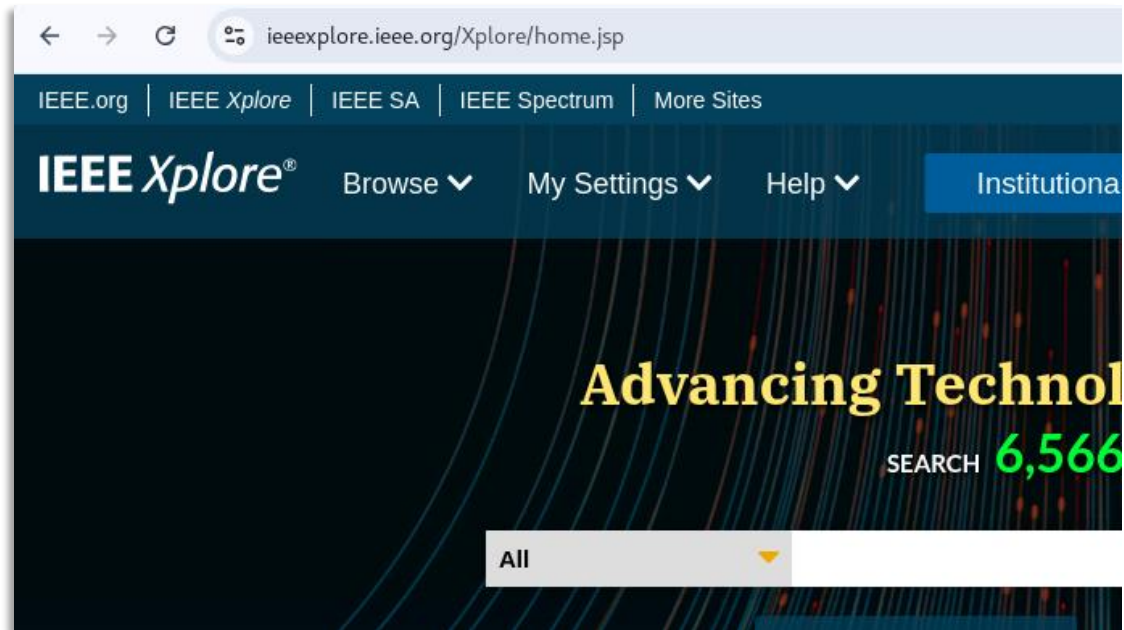
ManyBooks: ManyBooks offers a large collection of public domain e-Books, as well as modern titles, that can be downloaded and shared freely.



IEEE Xplore Digital Library:

Overview: IEEE Xplore is a digital library providing access to scientific and technical content published by IEEE, including journals, conference papers, standards, and books.

Book Sharing: While IEEE Xplore does not generally allow free sharing of books or papers, it provides access to a vast repository of peer-reviewed research. Many institutions and universities subscribe to IEEE Xplore, allowing students and faculty to access this content for free. IEEE also allows purchasing individual articles or subscriptions to access entire volumes of content.



IEEE eBooks:

Overview: IEEE offers collections of eBooks that can be purchased through its platform, focusing on topics like electrical engineering, computer science, and applied technologies.

Accessing Content: These eBooks are available to IEEE members, and many academic institutions provide access via institutional subscriptions. Individual purchases can also be made by users.

UNIVERSITY LIBRARY

It is very easy to identify the website or domain of a university because its domain can ultimately be .ac.in, .ac.au, edu.us, .edu.ca or .org. Let us solve this with an example.



SCSVMV

<https://kanchiuniv.ac.in> > coursematerials > SAT... PDF

SATELLITE COMMUNICATION

by MA ARCHANA · Cited by 1 — Kepler's second law states that, for a
sweep out equal areas in its orbital plane, focused at the barycenter.

156 pages

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an Indian
college or
institute

This is most important
thing in the search
results, the results which
contain PDF, then this
show here either not.

→ This denotes the total number of pages in the
PDF book or note.



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Design techniques for small scientific satellite structures

by JM Madey · 1969 — This paper describes the design, development, integration
scientific satellite structures in sufficient detail to serve as a design ...

109 pages

→ .gov are also a trusted sites because these are
the site which operated by the government of
dedicated country where is service founded.



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Aircraft Design

Conceptual design is the primary focus of this course. It is in conceptual design the
questions of configuration arrangement size and weight, and ...

944 pages



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aiaa aerospace design engineers guide

This fifth edition of the AIAA Aerospace Design Engineers Guide (ADEG) is a revised
version of the previous edition. It has been prepared under ...

437 pages

I think now you will download the best PDF books from the internet. So now let's meet in the new chapter will be: PORTAL FOR STUDENTS .

Portals For Students

Overview

Start by discussing the growth of online education in India, driven by technological advancements, increased internet access, and the shift towards digital learning, especially post-pandemic. Emphasize the flexibility, affordability, and wide variety of courses that online learning platforms offer, catering to different learning styles, from self-paced courses to live sessions. Here, provide a detailed look at the most popular online learning platforms in India, categorized by the type of content they offer (academic, skill development, etc.).

VERTEXAL

Overview: "Study material for students like previous year question papers, important questions, Providing free of cost solved question papers in PDF form, e-book etc."

Key Features: freely available & supportive team on whatsapp.

BEST FOR: Board Exams & Technical board Exams.

Coursera

Overview: A global leader in online learning, Coursera offers courses, specializations, and degrees in partnership with top universities like IITs, Stanford, and Yale.

Key Features: High-quality video lectures, certifications, and professional certificates.

Best For: University-level courses, professional development, and certifications.

Udemy

Overview: A massive online learning platform with over 100,000 courses in various categories like business, technology, personal development, and the arts.

Key Features: Lifetime access to purchased courses, affordable pricing, and a wide range of topics.

Best For: Hobbyists, entrepreneurs, and professionals seeking specific skills.

Skillshare

Overview: Focuses on creative and practical skills such as graphic design, writing, photography, and business.

Key Features: Subscription-based access to all courses, community interaction, project-based learning.

Best For: Creative professionals, freelancers, and entrepreneurs.

Byju' s

Overview: One of India's leading EdTech companies, offering personalized learning for school students (K-12), along with competitive exam preparation (JEE, NEET, IAS).

Key Features: Interactive video lessons, practice tests, personalized learning paths.

Best For: School students and aspirants preparing for competitive exams.

Unacademy

Overview: Specializes in preparation for competitive exams, including UPSC, SSC, IIT-JEE, NEET, and more.

Key Features: Live classes, doubt-solving sessions, and structured learning paths.

Best For: Students preparing for competitive exams and government job aspirants.

Vedantu

Overview: A live online tutoring platform that focuses on school education and test preparation.

Key Features: Live interactive classes, doubt-solving sessions, personalized mentoring.

Best For: K-12 students and competitive exam aspirants.

Khan Academy

Overview: A non-profit organization that offers free online courses in subjects like mathematics, science, history, and economics.

Key Features: Free access to high-quality educational resources and video lessons.

Best For: Students looking for free, high-quality academic content.

In Next Step, highlight platforms that focus on specialized learning for certain skills or industries.

UpGrad

Overview: Specializes in online degree programs and certifications in collaboration with top universities.

Key Features: Degree programs, job placement assistance, and career services.

Best For: Working professionals looking for career advancement.

Simplilearn

Overview: Offers professional certification programs in fields like digital marketing, data science, project management, and cybersecurity.

Key Features: Industry-recognized certifications, live sessions, and hands-on projects.

Best For: Professionals seeking career development in technical fields.

LinkedIn Learning

Overview: Provides online courses on business, technology, and creative skills, with a focus on professional development.

Key Features: Integration with LinkedIn profiles, course completion certificates, and a vast library of courses.

Best For: Career-focused learners and professionals looking to upskill.

Affordable and Free Learning Platforms

Introduce platforms that are free or affordable, helping those who are budget-conscious.

NPTEL (National Program on Technology Enhanced Learning)

Overview: A government initiative offering free online courses from top IITs and IISc, covering a wide range of engineering, science, and technology topics.

Key Features: Free access to video lectures, assignments, and certifications for some courses.

Best For: Engineering students and tech enthusiasts.

SWAYAM

Overview: An initiative by the Government of India providing free online courses from institutions like IITs, IIMs, and other universities.

Key Features: Free courses with certificates for some subjects.

Best For: Anyone looking for free access to quality educational content.

YouTube Channels

Overview: A treasure trove of educational content on virtually every topic imaginable.

Key Features: Completely free, interactive learning, with courses available in various languages.

Best For: Learners looking for free, on-demand tutorials on specific topics.

So these are all the platforms where you can learn well, some of them are paid but they are also very low cost, you can easily afford them. So now we will talk about IEEE and RESEARCH GATE and Springer in the next chapter.....

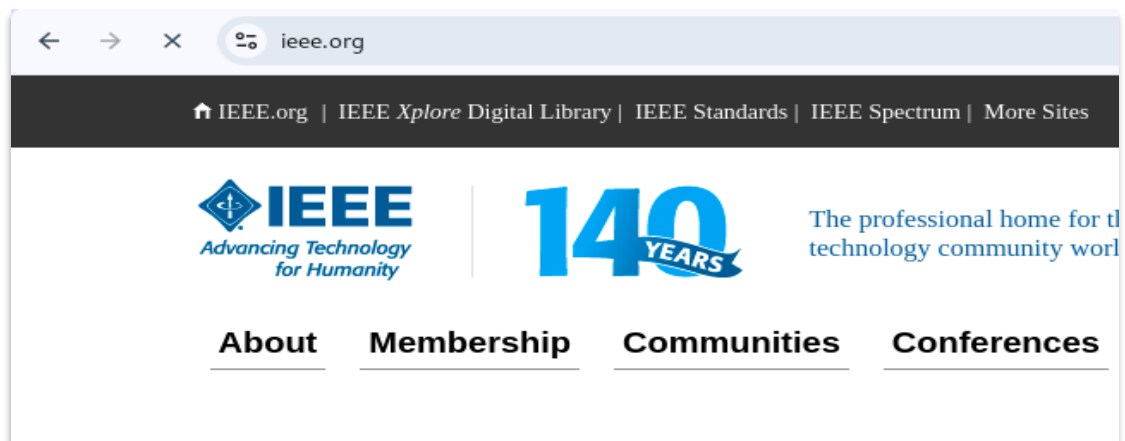
IEEE, RESEARCH GATE AND SPRINGER

Overview

IEEE (Institute of Electrical and Electronics Engineers) , Research gate , Springer offers a range of benefits and opportunities for students, helping them enhance their education, career prospects, and professional development.

Institute of Electrical and Electronics Engineering (IEEE)

Here are some of the main ways IEEE serves students:



Access to Technical Resources

IEEE Xplore Digital Library: Students get access to a vast collection of technical papers, journals, conference proceedings, and standards from IEEE, covering a wide range of engineering, computer science, and technology topics.

Free or Discounted Access: Through a student membership, students can often access articles or get discounts for technical resources that they might not otherwise afford.

Networking Opportunities

Conferences and Events: IEEE organizes global and regional conferences, workshops, and seminars where students can present papers, interact with professionals, and network with industry leaders.

Student Chapters: IEEE student branches and chapters in universities help students connect with peers and professionals, fostering collaboration and learning.

Global Communities: IEEE's various technical societies (e.g., IEEE Computer Society, IEEE Communications Society) allow students to engage with specialists in specific fields and communities.

Career Development and Job Search

IEEE Job Site: Students can access the IEEE Career Center to search for internships, jobs, and co-op opportunities, and can receive career advice and job preparation support.

Resume Services: Some IEEE chapters offer resume building, job preparation workshops, and career coaching.

Mentorship Programs: IEEE's mentorship programs allow students to connect with industry professionals and gain advice on career growth.

Scholarships and Competitions

Scholarships: IEEE offers various scholarships and fellowships for students pursuing degrees in engineering, computer science, and related fields.

Competitions: IEEE organizes several competitions and challenges (e.g., IEEE Robotics competitions, IEEE programming contests), where students can showcase their skills and win recognition and prizes.

Educational Opportunities

IEEE Webinars and Online Learning: Students can access educational webinars, online

courses, and workshops on cutting-edge technologies and research.

Discounted Access to IEEE Standards: Students get discounts on IEEE standards, which are valuable for both academic research and future industry work.

Leadership Development

Student Branch Leadership: Leading or participating in an IEEE student branch allows students to develop leadership, project management, and teamwork skills.

Student Ambassador Programs: Some IEEE programs let students become ambassadors for IEEE, helping them to develop public speaking and organizational skills.

Special Interest Groups and Technical Societies

IEEE provides students the chance to become members of specialized technical societies, such as the IEEE Computer Society, IEEE Power & Energy Society, IEEE Robotics and Automation Society, etc., allowing them to explore niche areas of interest and stay up-to-date with innovations.

Discounts and Special Offers

IEEE Membership Discounts: Students receive a discounted membership rate, which provides access to IEEE's vast network of professionals, events, and resources.

IEEE Conference Discounts: Students often get special rates for attending IEEE-sponsored events and conferences worldwide.

Publications and News

IEEE Spectrum: A popular magazine offering the latest news and trends in technology, engineering, and innovation, available for student members.

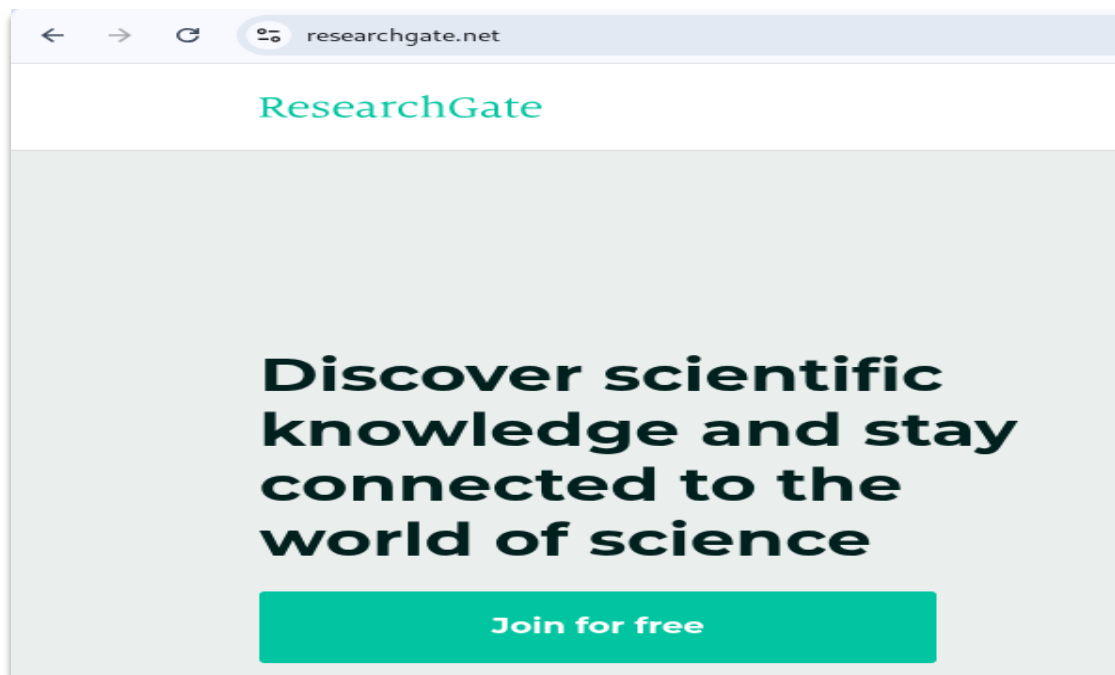
Student Papers and Publications: Students can publish their research papers in IEEE journals or at IEEE conferences, giving them visibility in the global research community.

International Recognition

IEEE membership helps students gain global recognition. Having IEEE on a resume can enhance a student's credibility and open doors to global career opportunities.

RESEARCH GATE

ResearchGate is a popular academic networking site that serves as a platform for researchers, students, and academics to share and discuss research papers, collaborate on projects, and access academic resources. For students, particularly those in higher education or research-focused fields, ResearchGate can be an invaluable tool. Here's how ResearchGate can be useful for students:



Access to Research Papers

Free Access: ResearchGate hosts millions of academic papers, many of which are freely accessible. While some papers require a subscription or purchase, many researchers upload full-text versions of their publications, making it easier for students to access high-quality research without a paywall.

Search Functionality: Students can easily search for papers, articles, and books on specific topics of interest. This can help in conducting literature reviews or understanding the latest trends and developments in their field.

Networking with Researchers

Connect with Experts: ResearchGate allows students to connect with researchers, professors, and professionals from around the world. Students can follow experts in their field of interest, participate in discussions, and engage in collaborations.

Collaboration Opportunities: By interacting with researchers, students can explore opportunities for joint research projects, co-authoring papers, or even internships and job opportunities.

Building an Academic Profile

Create a Research Profile: Students can create a detailed academic profile on ResearchGate, where they can list their publications, research interests, skills, and achievements. This serves as an online portfolio that can be shared with potential collaborators or employers.

Showcase Research Work: Students can upload their own papers, thesis, or research findings to showcase their work. This not only helps in building their academic presence but also contributes to the research community.

Citations and Impact: ResearchGate tracks the number of times a student's work has been cited, which can be valuable when assessing the impact of their research and building their academic reputation.

Engaging in Discussions and Q&A

Ask Questions: Students can post questions related to their field of study or specific research problems, and the ResearchGate community (comprising experts, researchers, and professors) can provide valuable insights and answers.

Discussions: Students can engage in academic discussions and debates with other researchers, offering a great opportunity to learn and expand their knowledge. It also allows them to get feedback on their ideas or research approaches.

Staying Updated with Recent Research

Follow Researchers and Topics: Students can follow specific researchers, academic journals, and topics to receive updates whenever new papers or discussions are posted. This keeps students informed about the latest trends, discoveries, and methodologies in their area of interest.

Research Alerts: Students can set up personalized alerts to notify them when new publications or topics in their field are posted. This is an excellent way to stay ahead in their research.

Finding Funding and Job Opportunities

Research Funding: ResearchGate occasionally posts funding opportunities, grants, and scholarships for students and researchers, helping students find financial support for their projects.

Job and Internship Listings: The platform has a dedicated section for academic jobs, internships, and research positions. This can be useful for students looking for career opportunities in research, academia, or industry.

Learning from Peer Reviews and Feedback

Feedback on Research: Students can upload their work and receive feedback from the academic community. This can be crucial in improving the quality of their research and understanding how others view their work.

Peer-Reviewed Journals: Many students can access peer-reviewed research, which is essential for learning about rigorous academic standards and methods. ResearchGate's peer feedback systems allow students to refine their work and engage in critical discussions.

Access to Conference Information

Conference Announcements: ResearchGate often features announcements for academic conferences, seminars, and workshops, providing students with opportunities to present their work, meet peers, and network with professionals in their field.

Call for Papers: Many conferences and journals post calls for papers on ResearchGate, so students can find opportunities to submit their research for publication or presentation.

Learning and Development Tools

Research Tools: ResearchGate offers a variety of tools to help students manage their research. This includes citation management, data sharing, and collaboration features,

making it easier to organize and track their academic work.

Learning Resources: Students can access resources related to research methodology, writing, and data analysis, helping them improve their academic skills.

Global Collaboration

Cross-Border Collaboration: ResearchGate enables students to connect with researchers from around the world, allowing them to collaborate on international research projects and gain exposure to global perspectives and methodologies.

Diverse Academic Community: By engaging with a global network, students can learn about research from different countries, gain insights from various educational systems, and broaden their understanding of their field.

Springer

Springer is a prominent academic publishing company, known for its extensive catalog of scientific, technical, and medical (STM) literature. The company, which is now part of Springer Nature, publishes books, journals, and other resources, catering to researchers,

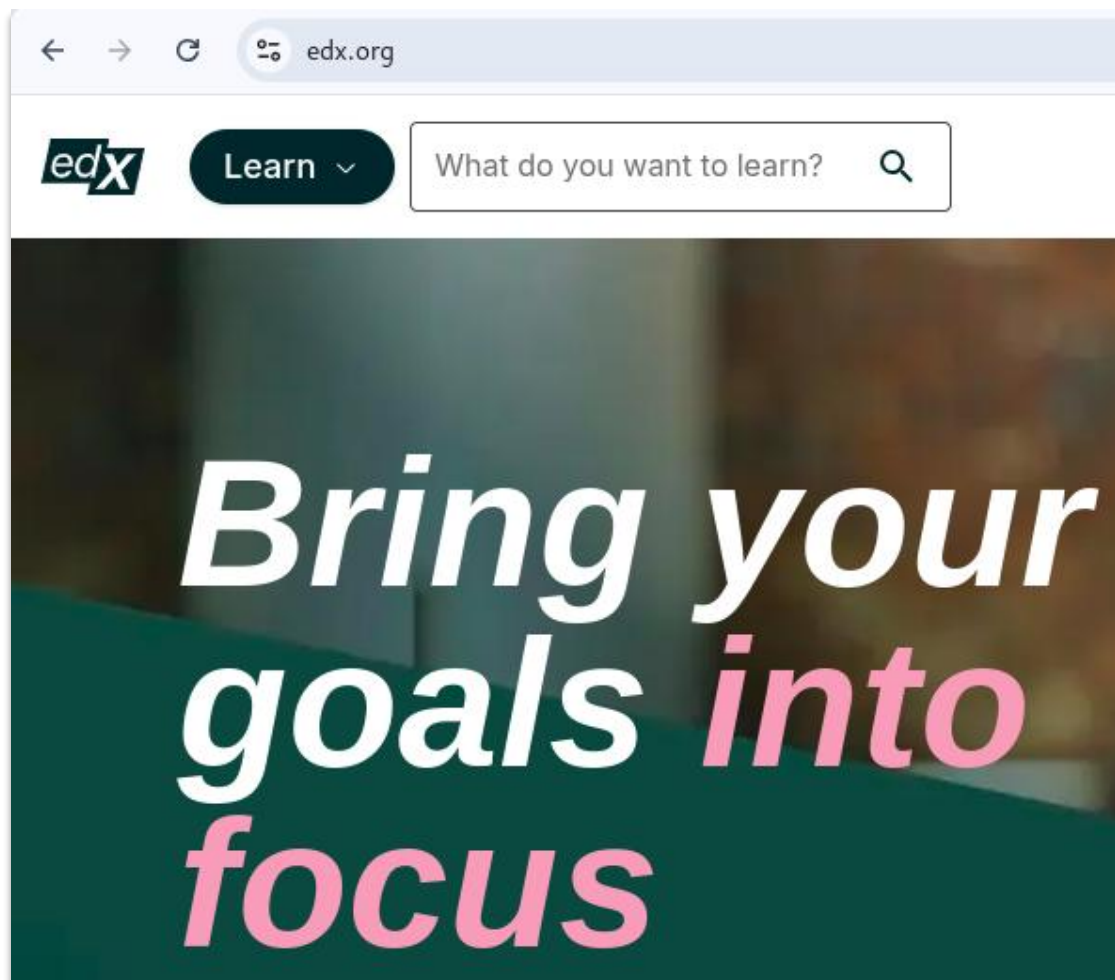
students, and professionals across various disciplines.



Springer, now as part of Springer Nature, has evolved from a small academic publisher in 1842 to one of the largest and most influential publishers in the world. With a focus on scientific, technical, and medical research, it continues to serve the global academic community by providing access to crucial knowledge, research materials, and tools. Through digital platforms and a commitment to open access, Springer remains a cornerstone of academic publishing in the 21st century.

eDX

edX is a leading online learning platform that provides high-quality courses, certifications, and degrees from top universities and institutions around the world. Founded in 2012 by Harvard University and the Massachusetts Institute of Technology (MIT), edX has grown into one of the most well-known platforms for online education, offering a wide range of programs to learners globally.



edX provides learners with an accessible platform for high-quality education, offering a wide variety of courses, certificates, and degree programs from renowned institutions. It caters to individuals seeking to enhance their knowledge, upskill, or earn credentials in various fields. With flexible learning options, global access, and partnerships with prestigious universities, edX is a key player in the world of online education.

Deep Web && the anonymous services

The Deep Web and Anonymous Services are concepts often associated with the internet's more obscure and less-accessible parts, and understanding them requires distinguishing between different layers of the internet.

Deep Web

The Deep Web refers to parts of the internet that are not indexed by traditional search engines like Google, Bing, or Yahoo. These are web pages or resources that require specific access, such as passwords, subscription services, or private network access.



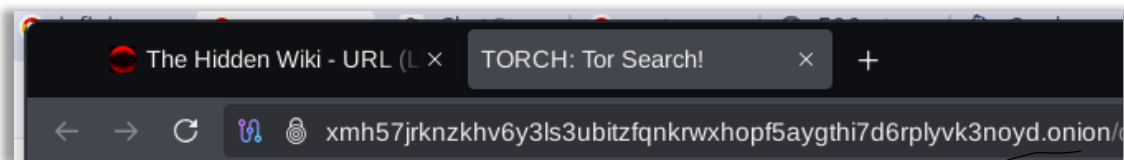
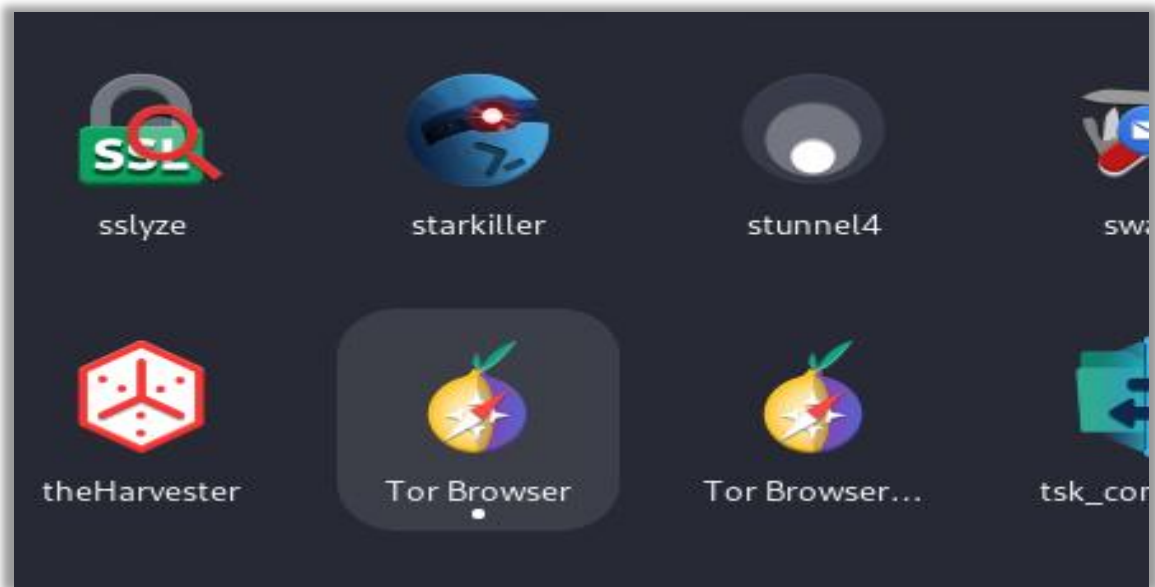
The Dark Web:

The Dark Web is a small segment of the Deep Web that is intentionally hidden and typically requires specific software, configurations, or authorization to access. The most common tool for accessing the Dark Web is Tor (The Onion Router), which anonymizes internet traffic.

•

Tor Network: The Tor network uses a special form of encryption that routes your internet traffic through a series of nodes, making it difficult to trace the origin of the user. This makes it a popular choice for individuals seeking anonymity online. Websites on the Dark Web typically end with a .onion domain, which is accessible only through the Tor browser.

Internet : A mystical Guide For Students

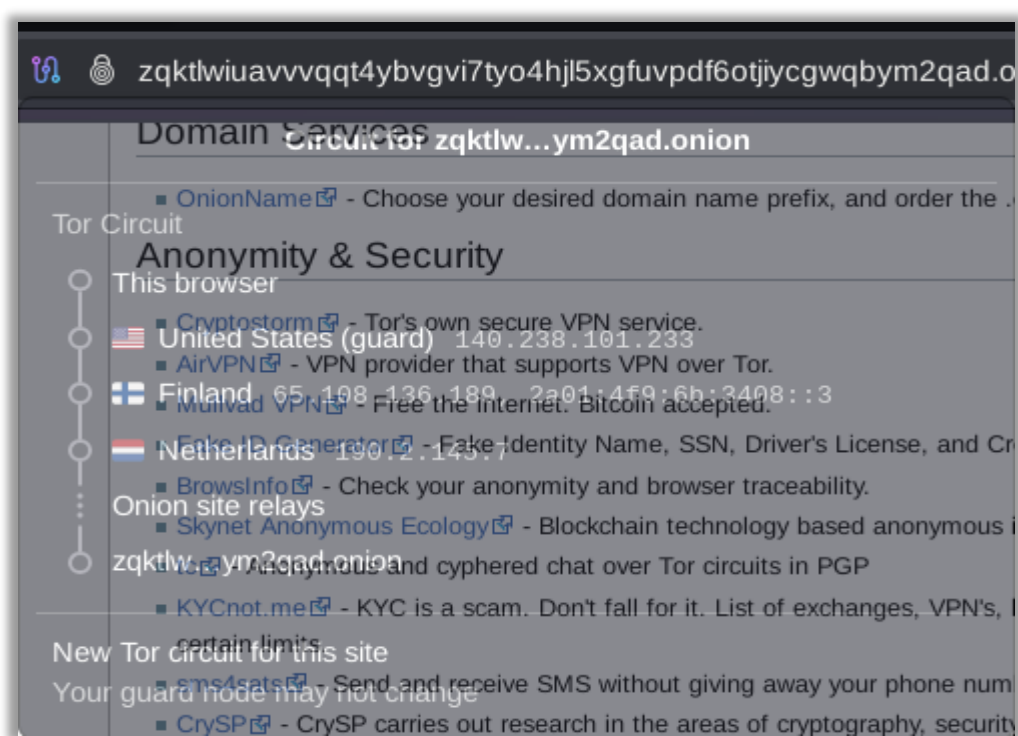


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Anonymity and Privacy

The Dark Web allows for greater privacy and anonymity than the surface web. While the Deep Web includes many everyday services like private databases or password-protected websites, the Dark Web is deliberately built to allow users to remain anonymous and access content and services without revealing their identity or location.

it uses many relays & gates to connect source and the user . its an decentralized service & this thing make it hard to track . I provide you some pictures of dark web from my computer :



Basically when we trying to connect with a site then our IP request the content to server via HTTP and server can see our IP as a requester IP or Client IP But when we use the tor service then our IP connect With other IP and Other IP To Other and creates a relay and then last relay IP send the request to server and server give response to last IP of relay and last IP back it to you via many IP as we can see it in the figure. so you can search anonymously in the deep web or dark web.

NOTE :

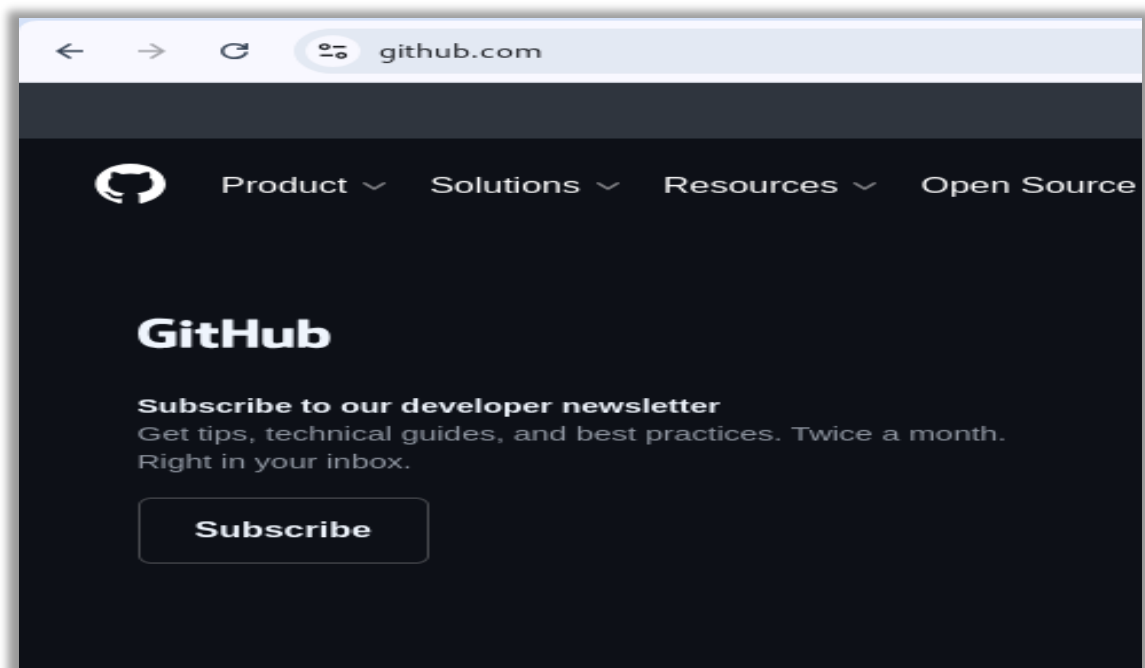
You should not go to dark web or deep web or click on any onion site or link, it can be dangerous for you. So this part of internet can be dangerous. This may contain viruses or malicious functions that try to track your device. Basically these sites are made by hackers and they provide direct download files of viruses. When you click on this link, it gets downloaded on your system and the virus starts working.

Github For Students

overview

GitHub is a web-based platform for version control and collaborative software development. It is built around the Git version control system, which was created by Linus Torvalds, the creator of Linux, in 2005. GitHub has become one of the most popular tools for software developers, allowing them to collaborate on projects, track changes, and manage codebases efficiently.

Here's an overview of what GitHub is and how it is used:



Group Projects: GitHub is an ideal platform for working on group projects. Students can create shared repositories, assign tasks via issues, and track progress. It also offers features like code review through pull requests, where peers can review each other's code and suggest improvements.

Open Source Contributions: GitHub is home to millions of open-source projects. Students can explore existing projects, contribute code, fix bugs, or improve documentation. Contributing to open-source projects allows students to practice their coding skills, learn from experienced developers, and build a portfolio of real-world work.

Showcase Projects: Students can use GitHub to showcase their coding skills and projects. A public repository with well-documented projects is a great way to create a portfolio that can be shared with potential employers or as part of their academic achievements.

GitHub Pages: Students can host static websites directly from their GitHub repositories using GitHub Pages. This can be used to showcase personal portfolios, class projects, or even blogs that demonstrate learning progress. It's an excellent tool for

building a personal brand or sharing academic work.

Documentation: GitHub encourages students to write clear documentation (README files) for their projects. This helps improve communication skills and prepares students for real-world practices, where documenting code is essential for collaboration.

GitHub Education: GitHub offers special features and free access to many developer tools through its GitHub Education program. Students can get access to free private repositories, cloud computing resources, and other premium developer tools that would typically require a paid subscription.

Some of the tools available for free through GitHub Education include AWS Educate, JetBrains, Microsoft Azure, and DigitalOcean.

GitHub Classroom: This is a tool designed for educators to manage coding assignments. Teachers can create repositories for their classes, distribute assignments, and track student submissions. It's an excellent way for students to submit their work and get feedback.

Industry-Relevant Skills: Learning Git and GitHub is an essential skill for students in software development and related fields. Git is widely used in the software industry for version control, and familiarity with GitHub makes students more competitive when entering the job market.

GitHub Learning Lab: GitHub offers the Learning Lab, which is a set of interactive tutorials that teach students how to use Git and GitHub. These tutorials are designed for all levels of experience, from beginners to advanced users.

Collaboration and Networking: By using GitHub, students can connect with other developers globally, learn from their code, and possibly find collaborators for future projects. They can also follow industry leaders or participate in discussions and issues related to specific technologies.

Free Private Repositories: GitHub offers free access to private repositories for students. This is particularly useful if you want to keep a project private until you're ready to share it or if you're working on sensitive research.

Bug Tracking & Issue Management: GitHub has built-in tools for tracking bugs and tasks using the Issues feature. Students can keep track of what needs to be fixed or added to a project, helping to organize work and ensure that everything is addressed efficiently.

Continuous Integration: With GitHub Actions, students can automate workflows such as testing, building, and deploying code. This is especially useful for students who are learning about continuous integration and continuous delivery (CI/CD) in their courses.

GitHub is an essential tool for students, particularly those involved in programming, software development, or any tech-related field. It helps students manage projects, collaborate with peers, track changes, and develop a portfolio of work. GitHub Education offers great resources to students to learn Git, improve coding skills, and access developer tools. By using GitHub, students can enhance their learning experience, practice real-world coding workflows, and gain valuable skills that will be beneficial in their academic and professional careers.

[illegible]

This image shows a full page of blank, lined paper. It features approximately 30 horizontal black lines spaced evenly across the page, typical of notebook paper. The lines are thin and extend from the left edge to the right edge. There are no margins, text, or other markings on the page.

